



Product Overview

AmbiBond SB-200 Adhesive is a high strength, flexible, single component advanced silane polymer adhesive for surface bonding most cement boards and wood flooring. Useable over most common substrates and compatible with underfloor heating systems. Safe and clean to work with.

Product uses: For bonding most types of cement board and wood flooring including wood blocks, wood mosaic panels, engineered, laminated and solid wood plank/strip flooring. Use over most common substrates, sand/cement screeds, concrete, calcium sulphate screeds, stone, metal, timber, epoxy membranes. For other surfaces please consult our technical services team for suitability. This product is compatible with underfloor heating systems.

Packaging: Sealed bag within a 17kg plastic tub

Usage Guidelines

Preparation: All phases of installation should comply with BS 8201, BS 8203, CP 102 and /or other local installation standards and codes of practice.

Subfloor: Ensure the subfloor is flat, clean, sound, dry and free from contaminants that may hinder adhesion - this includes, paint, varnish, polish, old adhesive residues and plaster spots. Existing wooden subfloors must have an intact base DPM. The subfloor should be tested in accordance with British Standards, using a properly calibrated and insulated hygrometer. A reading of 75% RH or less confirms that the subfloor is satisfactorily dry. For further information contact us.

NB: Always ensure the cement board and timber are acclimatised in accordance with the manufacturer's instructions in the environment in which it is to be laid. Allow an expansion gap around any perimeters or columns to allow for natural movement of the cement board or wood when bonded.

Application

On a smooth floor spread 2mm of SB-200 adhesive evenly over the board surface with a triangular notched trowel. Spread with a sweeping motion at a 60° angle and place the board into the adhesive while still wet. Press firmly or gently tap the cement board into the adhesive to ensure good overall contact. Where necessary, use heavy objects to hold the cement board firmly in place during curing time. The bonded board will be suitable to take foot traffic six to eight hours after application. It should be left 24-48 hours before any further finishing takes place.

Technical data

Composition	AmbiBond SB-200 Adhesive is formulated from advanced silane polymer technology
Open time	20mins (approx)
Coverage rate	Using 2mm notched trowel the coverage is approximately 0.8 - 1.2 kg/m ²
Cleaning	Use water, immediately after use
Storage	Dry conditions between +5°C and +25°C
Shelf life	12 months when stored as recommended in original, unopened packaging
Health & Safety precautions	Product Health and Safety Datasheets must be read and understood before use.

For professional use only.

1. Identification of the substance/mixture and of the company/undertaking

- 1. Product: AmbiBond SB-200**
- 2. Article number: 125140**
- 3. Product Group**
1-component elastic SMP wood flooring adhesive
Relevant identified uses of the substance or mixture and uses advised against
Product category – PC1 Adhesives, sealants
Application of the substance / the preparation
Adhesives
- 4. Details of the supplier of the safety datasheet.**
- 5. SUPPLIER:**
Ambiente Systems Ltd
Heritage House
1 Woodside Lane
Hertfordshire
AL9 6DE
ambienteufh.co.uk / sales@ambienteufh.co.uk

2. Hazards Identification

- 1. Classification of the substance or mixture**
Classification according to Regulation (EC) No 1272/2008 - void
- 2. Label elements**
Labelling according to Regulation (EC) No 1272/2008
Hazard pictograms - void Signal word - void
Hazard statements – void
Other hazards
Results of PBT and vPvB assessment
PBT: not applicable
vPvB: not applicable
May produce an allergic reaction. Safety data sheet available on request.

3. Composition/Information on Ingredients

- 1. Mixtures**
Mixture of substance listed below with non-hazardous additions
Dangerous components:
CAS Number
25322-69-4 - Polypropyleneglycol - 1,00 -12,50 % - Acute Tox 4 - H302

4. First Aid Measures

- 1. Description of first aid measures**
After inhalation: Supply fresh air, consult doctor in case of complaints.
After skin contact: Immediately wash with water and soap and rinse thoroughly.
After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing: Do not induce vomiting. Call for medical help immediately.
Information for doctor.
- 2. Most important symptoms and effects, both acute and delayed**
No further information available
- 3. Indication of any immediate medical attention and special treatment needed**
No further information available.

5. Fire Fighting Measures

- 1. Suitable extinguishing media:** Recommended extinguishing media: CO₂, powders or water spray. Fight larger fires with water spray or alcohol resistant foam
- 2. Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
- 3. Advice for firefighters**
No special measure required.
- 4. Protective equipment**
Mouth respiratory protective device

6. Accidental Release Measures

- 1. Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation, wear protective clothing
- 2. Environmental precautions:**
Do not allow to enter sewers / surface or ground water
- 3. Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, sawdust).
- 4. Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7. Handling and Storage

- 1. Precautions for safe handling**
Handling:
Use only in well ventilated areas.
Avoid contact with the eyes.
Information about fire – and explosion protection:
No special measures required.
- 2. Conditions for safe storage, including any incompatibilities**
Storage: Requirements to be met by storerooms and receptacles:
No special requirements
Information about storage in one common storage facility:
Not required.
Further information about storage conditions:
Store in cool, dry conditions in well sealed receptacles.
- 3. Specific end use(s)**
No further relevant information available

8. Exposure Controls/Personal Protection

- 1. Ingredients with values than require monitoring at the workplace**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
Additional information:
The lists valid during the making were used as basis.
- 2. Exposure controls**
Personal protective equipment
General protective and hygienic measures:
The usual precautionary measures are to be adhered to when handling chemicals
Wash hands before breaks and at the end of work, use skin care products
Avoid contact with eyes and skin.
Respiratory protection: Not necessary if the room is well-ventilated. Hand protection: Material of gloves: Butyl rubber, BR Nitrile rubber, NBR Natural rubber, NR
Penetration time of glove material. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- 3. Eye protection:** Safety glasses
- 4. Body protection:** Protective work clothing

9. Physical and Chemical Properties

1. Information on basic physical and chemical properties

General Information:

Physical state:	Fluid
Colour:	Light brown
Odour:	Weak, characteristic
Odour threshold:	Characteristic
pH value:	Not determined
Changing in conditions Boiling point/ Boiling range:	240°C
Flash point:	175°C
Flammability (solid, gas)	Not determined
Ignition temperature	330°C
Decomposition temperature	Not determined
Self-igniting	Not determined
Danger of explosion	Not determined
Vapour pressure:	Not determined
Vapour density:	Not determined
Explosion limits	
Lower:	Not determined
Upper:	Not determined
Solubility in / Miscibility in water	Unlimited
Density:	1,6000 - 1,7000 g/cm ³
Viscosity dynamic:	At 20° 80 - 110Pa.s
Solvent content VOC (EC)	0,00%
Other information	No further relevant information available

10. Stability and Reactivity

1. Reactivity

Chemical stability: Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications.

2. Possibility of hazardous reactions

No dangerous reactions known

3. Conditions to avoid

No further information available

4. Incompatible materials:

No further relevant information available

5. Hazardous decomposition products

Additional information:

On contact with water (or humidity), small amounts of methanol

11. Toxicological Information

1. Information on toxicological effects

Acute Toxicity:

LD/LC50 values relevant for classification

2768-02-07

Trimethoxyvinylsilane

Oral, LD50: 7120 mg/kg (rat)

Dermal, LD50: 3450 mg/kg (rabbit)

Inhalative, LC50/4h: 16,8 mg/l (rat)

2. Primary irritant effect:

On the skin – no irritant effect.

On the eye – direct contact to eyes can be irritating

3. Sensitization

No sensitising effects known

4. Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for preparations as issued in the latest version.

12. Ecological Information

1. Toxicity

Aquatic toxicity:

2768-02-7 Trimethoxyvinylsilane

EC50 48h: 168,7 mg/l (daphnie)

LC50/ 96h: 191 mg/l (fish)

2. Persistence and degradability

No further relevant information available.

3. Behaviour in environmental systems

Bioaccumulative potential

No further relevant information available.

4. Mobility in soil

No further relevant information available.

5. Additional ecological information:

General notes: Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system

6. Results of PBT and vPvB assessment

PBT: Not applicable.**vPvB:** Not applicable.

7. Other adverse effects

 None known

13. Disposable Considerations

1. Waste treatment methods

Recommendation

Must not be disposed together with household garbage. Do not allow to reach sewage system.

Unhardened product residues are Special Waste.

European waste catalogue

WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS

08 04

wastes from MFSU of adhesives and sealants (including waterproofing products)

08 04 09

waste adhesives and sealants containing organic solvents or other dangerous substances

Uncleaned packaging:**Recommendation:**

Disposal must be made according to official regulations

14. Transport Information

UN Number	Void
UN proper shipping name ADR, ADN, IMDG, IATA	Void
Transport hazard class (es) ADR, AND, IMDG, ITATA Class	Void
Packing group ADR, AND, IMDG, ITATA	Void
Environmental Hazards:	Void
Speical precautions for user	Void
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not Applicable

15. Regulatory Information

- Safety, health, and environmental regulations/legislation specific for the substance or mixture Regulations.**
- National regulations:**
- Technical instructions (air):**
Class share in %
- Water hazard class:** Water hazard class 1 (self assessment): slightly hazardous for water.
- Chemical Safety Assessment**
Chemical safety assessment has not been carried out.

16. Other Information

- This information is based on our present knowledge.** However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
- Department issuing MSDS:**
Quality management
- Abbreviations and acronyms:**
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative